

METHOD AND APPARATUS FOR ELECTROSPRAY AUGMENTED HIGH FIELD
ASYMMETRIC ION MOBILITY SPECTROMETRY

ABSTRACT OF THE DISCLOSURE

5 A field asymmetric ion mobility spectrometer apparatus and system including a
sample preparation and introduction section, a head for delivery of ions from a sample,
an ion filtering section, an output part, and an electronics part wherein the filter section
includes surfaces defining a flow path, further including ion filter electrodes facing each
other over the flow path that enables the flow of ions derived from the sample between
10 the electrodes and wherein the electronics part applies controlling signals to the
electrodes for generating a filter field for filtering the flow of ions in the flow path while
being compensated to pass desired ion species out of the filter.

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